ELSEVIER

Hearing Research 81 (1994) 215–216

HEARING RESEARCH

Author Index

Attanasio, G., Spongr, V.P. and Henderson, D.
Localization of F-actin and fodrin along the organ of Corti in the chinchilla (81) 199
Avan, P., see Wit, H.P. (81) 208

Bobbin, R.P., see Erostegui, C. (81) 119
Burgess, B.J., see Nadol, Jr., J.B. (81) 49

Cacace, A.T., Lovely, T.J., McFarland, D.J., Parnes, S.M. and Winter, D.F.
Anomalous cross-modal plasticity following posterior fossa surgery: Some speculations on gaze-evoked tinnitus (81) 22
Carlile, S., see King, A.J. (81) 137
Chen, L., Salvi, R. and Shero, M.
Cochlear frequency-place map in adult chickens: Intracellular biocytin labeling (81) 130
Clark, G.M., see Shepherd, R.K. (81) 150
Cohen, Y.E. and Saunders, J.C.
The effect of acoustic overexposure on the tonotopic organization of the nucleus magnocellularis (81) 11

Erostegui, C., Nenov, A.P., Norris, C.H. and Bobbin, R.P.
Acetylcholine activates a K^+ conductance permeable to Cs^+ in guinea pig outer hair cells (81) 119

Faddis, B.T., see McGinn, M.D. (81) 57
Finley, C.C., see Smith, D.W. (81) 1
Fukazawa, T. and Tanaka, Y.
Distortion product otoacoustic emissions in an active nonlinear model of the cochlea (81) 42

Hari, R., see Loveless, N. (81) 91
Henderson, D., see Attanasio, G. (81) 199
Herman, P., see Martin, F. (81) 33
Huy, P.T.B., see Martin, F. (81) 33
Hyson, R.L., Overholt, E.M. and Lippe, W.R.
Cochlear microphonic measurements of interaural time differences in the chick (81) 109

Javel, E.
Shapes of cat auditory nerve fiber tuning curves (81) 167

Killian, M.J.P., Klis, S.F.L. and Smoorenburg, G.F.
Adaptation in the compound action potential response of the guinea pig VIIIth nerve to electric stimulation (81) 66
King, A.J. and Carlile, S.
Responses of neurons in the ferret superior colliculus to the spatial location of tonal stimuli (81) 137
Klis, S.F.L., see Killian, M.J.P. (81) 66
Konrad, K.E.M., see Smith, D.W. (81) 1

Lamm, K., Zajic, G. and Schacht, J.
Living isolated cells from inner ear vessels: A new approach for studying the regulation of cochlear microcirculation and vascular permeability (81) 83
Lippe, W.R., see Hyson, R.L. (81) 109
Loveless, N., Vasama, J.-P., Mäkelä, J. and Hari, R.
Human auditory cortical mechanisms of sound lateralisation: III. Monaural and binaural shift responses (81) 91
Lovely, T.J., see Cacace, A.T. (81) 22

Mäkelä, J., see Loveless, N. (81) 91
Marianowski, R., see Martin, F. (81) 33
Martin, F., Marianowski, R., Tu, T.-Y., Herman, P. and Huy, P.T.B.
Modulation of cyclic AMP production by strial marginal cells from gerbil in culture (81) 33
Martin, R.L., see Shepherd, R.K. (81) 150
Matsushima, J., see Shepherd, R.K. (81) 150
McFarland, D.J., see Cacace, A.T. (81) 22
McGinn, M.D. and Faddis, B.T.
Exposure to low frequency noise during rearing induces spongiform lesions in gerbil cochlear nucleus: High frequency exposure does not (81) 57

Nadol, Jr., J.B. and Burgess, B.J.
Supranuclear efferent synapses on outer hair cells and Deiters' cells in the human organ of Corti (81) 49
Nenov, A.P., see Erostegui, C. (81) 119
Norris, C.H., see Erostegui, C. (81) 119

Olszyk, V.B., see Smith, D.W. (81) 1
Overholt, E.M., see Hyson, R.L. (81) 109

Parnes, S.M., see Cacace, A.T. (81) 22
Pickles, J.O., see Troutt, L.L. (81) 100

Salvi, R., see Chen, L. (81) 130
Saunders, J.C., see Cohen, Y.E. (81) 11
Schacht, J., see Lamm, K. (81) 83
Shepherd, R.K., Matsushima, J., Martin, R.L. and Clark, G.M.
Cochlear pathology following chronic electrical stimulation of the auditory nerve: II Deafened kittens (81) 150
Shero, M., see Chen, L. (81) 130
Shvarev, Y.N.
Brainstem auditory evoked potentials characteristics in mice: The effect of genotype (81) 189
Smith, D.W., Finley, C.C., Van den Honert, C., Olszyk, V.B. and Konrad, K.E.M.
Behavioral and electrophysiological responses to electrical stimulation in the cat. I. Absolute thresholds (81) 1
Smoorenburg, G.F., see Killian, M.J.P. (81) 66
Spongr, V.P., see Attanasio, G. (81) 199

Tanaka, Y., see Fukazawa, T. (81) 42
Troutt, L.L., Van Heumen, W.R.A. and Pickles, J.O.
The changing microtubule arrangements in developing hair cells of the chick cochlea (81) 100
Tu, T.-Y., see Martin, F. (81) 33

Van den Honert, C., see Smith, D.W. (81) 1
Van Dijk, P., see Wit, H.P. (81) 208
Van Heumen, W.R.A., see Troutt, L.L. (81) 100
Vasama, J.-P., see Loveless, N. (81) 91

Winter, D.F., see Cacace, A.T. (81) 22
Wit, H.P., Van Dijk, P. and Avan, P.
On the shape of (evoked) otoacoustic emission spectra (81) 208

Zajic, G., see Lamm, K. (81) 83

ELSEVIER

Hearing Research 81 (1994) 217–220

HEARING RESEARCH

Subject Index

Acoustic isolation
Spongiform lesion; Gerbil; Frequency; Tonotopic (McGinn, M.D. (81) 57)

Acoustic overexposure
Nucleus magnocellularis; Tonotopic organization (Cohen, Y.E. (81) 11)

Active process
Auditory nerve; Tuning curve; Cochlear mechanics (Javel, E. (81) 167)

Audition
Auditory space; Directional hearing; Interaural intensity difference; Magnetoencephalography; Evoked response (Loveless, N. (81) 91)

Auditory nerve
Tuning curve; Cochlear mechanics; Active process (Javel, E. (81) 167)

Auditory space
Audition; Directional hearing; Interaural intensity difference; Magnetoencephalography; Evoked response (Loveless, N. (81) 91)

Auditory space map
Superior colliculus; Pinna; Frequency integration; Spectral localization cues (King, A.J. (81) 137)

Backward masking
Cochlear implant; Electrically evoked compound action potential; Fatigue; Forward masking; Recovery from adaptation (Killian, M.J.P. (81) 66)

Barium
Ion channels; Calcium; N-methylglucamine (Erostegui, C. (81) 119)

Basilar papilla
Chicken; Tonotopic map; Cochlear ganglion neurons; Biocytin; Intracellular staining (Chen, L. (81) 130)

Biocytin
Chicken; Basilar papilla; Tonotopic map; Cochlear ganglion neurons; Intracellular staining (Chen, L. (81) 130)

Brain-stem auditory evoked potentials
Stimulus intensity; Mouse; Strain differences (Shvarev, Y.N. (81) 189)

Calcium
Ion channels; Barium; N-methylglucamine (Erostegui, C. (81) 119)

Cat
Cochlear prosthesis; Electrical stimulation; EABR; Single-auditory neuron; Threshold (Smith, D.W. (81) 1)

Cell culture
Marginal cells; Endolymph; Cyclic AMP (Martin, F. (81) 33)

Microcirculation; Cochlea; Cochlear blood flow; Endothelium, vascular; Pericytes; Muscle, smooth, vascular; Guinea pig (Lamm, K. (81) 83)

Chicken
Basilar papilla; Tonotopic map; Cochlear ganglion neurons; Biocytin; Intracellular staining (Chen, L. (81) 130)

Chinchilla
Organ of Corti; F-actin; Fodrin; Confocal fluorescence microscopy (Attanasio, G. (81) 199)

Cochlea
Microcirculation; Cochlear blood flow; Endothelium, vascular; Pericytes; Muscle, smooth, vascular; Cell culture; Guinea pig (Lamm, K. (81) 83)

Cochlear blood flow
Microcirculation; Cochlea; Endothelium, vascular; Pericytes; Muscle, smooth, vascular; Cell culture; Guinea pig (Lamm, K. (81) 83)

Cochlear ganglion neurons
Chicken; Basilar papilla; Tonotopic map; Biocytin; Intracellular staining (Chen, L. (81) 130)

Cochlear histopathology
Cochlear implants; Ototoxic drugs; EABR; Spiral ganglion cell survival; Electrical stimulation; Electrode impedance (Shepherd, R.K. (81) 150)

Cochlear implant
Electrically evoked compound action potential; Fatigue; Forward masking; Backward masking; Recovery from adaptation (Killian, M.J.P. (81) 66)

Cochlear implants
Ototoxic drugs; Cochlear histopathology; EABR; Spiral ganglion cell survival; Electrical stimulation; Electrode impedance (Shepherd, R.K. (81) 150)

Cochlear mechanics
Auditory nerve; Tuning curve; Active process (Javel, E. (81) 167)

Cochlear model
Distortion product otoacoustic emissions; Computer simulation (Fukazawa, T. (81) 42)

Cochlear prosthesis
Electrical stimulation; EABR; Single-auditory neuron; Threshold; Cat (Smith, D.W. (81) 1)

Computer simulation
Distortion product otoacoustic emissions; Cochlear model (Fukazawa, T. (81) 42)

Confocal fluorescence microscopy
Organ of Corti; Chinchilla; F-actin; Fodrin (Attanasio, G. (81) 199)

Convolution
Otoacoustic emissions; Periodicity; Irregularity (Wit, H.P. (81) 208)

Cyclic AMP
Marginal cells; Endolymph; Cell culture (Martin, F. (81) 33)

Deiters' cell
Efferent; Synapse; Outer hair cell; Synaptophysin (Nadol, Jr., J.B. (81) 49)

Development
Microtubules; Hair cells; Stereocilia; Kinocilium (Troutt, L.L. (81) 100)

Directional hearing
Audition; Auditory space; Interaural intensity difference; Magnetoencephalography; Evoked response (Loveless, N. (81) 91)

Distortion product otoacoustic emissions
Cochlear model; Computer simulation (Fukazawa, T. (81) 42)

EABR
Cochlear prosthesis; Electrical stimulation; Single-auditory neuron; Threshold; Cat (Smith, D.W. (81) 1)

Cochlear implants; Ototoxic drugs; Cochlear histopathology; Spiral ganglion cell survival; Electrical stimulation; Electrode impedance (Shepherd, R.K. (81) 150)

Efferent
Synapse; Outer hair cell; Deiters' cell; Synaptophysin (Nadol, Jr., J.B. (81) 49)

Electrically evoked compound action potential
Cochlear implant; Fatigue; Forward masking; Backward masking; Recovery from adaptation (Killian, M.J.P. (81) 66)

Electrical stimulation
Cochlear prosthesis; EABR; Single-auditory neuron; Threshold; Cat (Smith, D.W. (81) 1)

Cochlear implants; Ototoxic drugs; Cochlear histopathology; EABR; Spiral ganglion cell survival; Electrode impedance (Shepherd, R.K. (81) 150)

Electrode impedance
Cochlear implants; Ototoxic drugs; Cochlear histopathology; EABR; Spiral ganglion cell survival; Electrical stimulation (Shepherd, R.K. (81) 150)

Endolymph
Marginal cells; Cyclic AMP; Cell culture (Martin, F. (81) 33)

Endothelium, vascular
Microcirculation; Cochlea; Cochlear blood flow; Pericytes; Muscle, smooth, vascular; Cell culture; Guinea pig (Lamm, K. (81) 83)

Evoked response
Audition; Auditory space; Directional hearing; Interaural intensity difference; Magnetoencephalography (Loveless, N. (81) 91)

Eye gaze
Plasticity; Tinnitus; Unilateral auditory deafferentation; Posterior fossa surgery (Cacace, A.T. (81) 22)

F-actin
Organ of Corti; Chinchilla; Fodrin; Confocal fluorescence microscopy (Attanasio, G. (81) 199)

Fatigue
Cochlear implant; Electrically evoked compound action potential; Forward masking; Backward masking; Recovery from adaptation (Killian, M.J.P. (81) 66)

Fodrin
Organ of Corti; Chinchilla; F-actin; Confocal fluorescence microscopy (Attanasio, G. (81) 199)

Forward masking
Cochlear implant; Electrically evoked compound action potential; Fatigue; Backward masking; Recovery from adaptation (Killian, M.J.P. (81) 66)

Frequency
Spongiform lesion; Gerbil; Acoustic isolation; Tonotopic (McGinn, M.D. (81) 57)

Frequency integration
Superior colliculus; Auditory space map; Pinna; Spectral localization cues (King, A.J. (81) 137)

Gerbil
Spongiform lesion; Acoustic isolation; Frequency; Tonotopic (McGinn, M.D. (81) 57)

Guinea pig
Microcirculation; Cochlea; Cochlear blood flow; Endothelium, vascular; Pericytes; Muscle, smooth, vascular; Cell culture (Lamm, K. (81) 83)

Hair cells
Microtubules; Development; Stereocilia; Kinocilium (Troutt, L.L. (81) 100)

Interaural canal
Sound localization; Interaural phase difference; Interaural intensity differences; Nucleus laminaris (Hyson, R.L. (81) 109)

Interaural intensity difference
Audition; Auditory space; Directional hearing; Magnetoencephalography; Evoked response (Loveless, N. (81) 91)

Interaural intensity differences
Sound localization; Interaural phase difference; Interaural canal; Nucleus laminaris (Hyson, R.L. (81) 109)

Interaural phase difference
Sound localization; Interaural canal; Interaural intensity differences; Nucleus laminaris (Hyson, R.L. (81) 109)

Intracellular staining
Chicken; Basilar papilla; Tonotopic map; Cochlear ganglion neurons; Biocytin (Chen, L. (81) 130)

Ion channels
Barium; Calcium; N-methylglucamine (Erostegui, C. (81) 119)

Irregularity
Otoacoustic emissions; Periodicity; Convolution (Wit, H.P. (81) 208)

Kinocilium
Microtubules; Hair cells; Development; Stereocilia (Troutt, L.L. (81) 100)

Magnetoencephalography
Audition; Auditory space; Directional hearing; Interaural intensity difference; Evoked response (Loveless, N. (81) 91)

Marginal cells
Endolymph; Cyclic AMP; Cell culture (Martin, F. (81) 33)

Microcirculation
Cochlea; Cochlear blood flow; Endothelium, vascular; Pericytes; Muscle, smooth, vascular; Cell culture; Guinea pig (Lamm, K. (81) 83)

Microtubules
Hair cells; Development; Stereocilia; Kinocilium (Troutt, L.L. (81) 100)

Mouse
Brain-stem auditory evoked potentials; Stimulus intensity; Strain differences (Shvarev, Y.N. (81) 189)

Muscle, smooth, vascular
Microcirculation; Cochlea; Cochlear blood flow; Endothelium, vascular; Pericytes; Cell culture; Guinea pig (Lamm, K. (81) 83)

N-methylglucamine
Ion channels; Barium; Calcium (Erostegui, C. (81) 119)

Nucleus laminaris
Sound localization; Interaural phase difference; Interaural canal; Interaural intensity differences (Hyson, R.L. (81) 109)

Nucleus magnocellularis
Acoustic overexposure; Tonotopic organization (Cohen, Y.E. (81) 11)

Organ of Corti
Chinchilla; F-actin; Fodrin; Confocal fluorescence microscopy (Attanasio, G. (81) 199)

Otoacoustic emissions
Periodicity; Irregularity; Convolution (Wit, H.P. (81) 208)

Ototoxic drugs
Cochlear implants; Cochlear histopathology; EABR; Spiral ganglion cell survival; Electrical stimulation; Electrode impedance (Shepherd, R.K. (81) 150)

Outer hair cell
Efferent; Synapse; Deiters' cell; Synaptophysin (Nadol, Jr., J.B. (81) 49)

Pericytes
Microcirculation; Cochlea; Cochlear blood flow; Endothelium, vascular; Muscle, smooth, vascular; Cell culture; Guinea pig (Lamm, K. (81) 83)

Periodicity
Otoacoustic emissions; Irregularity; Convolution (Wit, H.P. (81) 208)

Pinna
Superior colliculus; Auditory space map; Frequency integration; Spectral localization cues (King, A.J. (81) 137)

Plasticity
Tinnitus; Unilateral auditory deafferentation; Posterior fossa surgery; Eye gaze (Cacace, A.T. (81) 22)

Posterior fossa surgery
Plasticity; Tinnitus; Unilateral auditory deafferentation; Eye gaze (Cacace, A.T. (81) 22)

Recovery from adaptation
Cochlear implant; Electrically evoked compound action potential; Fatigue; Forward masking; Backward masking (Killian, M.J.P. (81) 66)

Single-auditory neuron
Cochlear prosthesis; Electrical stimulation; EABR; Threshold; Cat (Smith, D.W. (81) 1)

Sound localization
Interaural phase difference; Interaural canal; Interaural intensity differences; Nucleus laminaris (Hyson, R.L. (81) 109)

Spectral localization cues
Superior colliculus; Auditory space map; Pinna; Frequency integration (King, A.J. (81) 137)

Spiral ganglion cell survival
Cochlear implants; Ototoxic drugs; Cochlear histopathology; EABR; Electrical stimulation; Electrode impedance (Shepherd, R.K. (81) 150)

Spongiform lesion
Gerbil; Acoustic isolation; Frequency; Tonotopic (McGinn, M.D. (81) 57)

Stereocilia
Microtubules; Hair cells; Development; Kinocilium (Troutt, L.L. (81) 100)

Stimulus intensity
Brain-stem auditory evoked potentials; Mouse; Strain differences (Shvarev, Y.N. (81) 189)

Strain differences
Brain-stem auditory evoked potentials; Stimulus intensity; Mouse (Shvarev, Y.N. (81) 189)

Superior colliculus
Auditory space map; Pinna; Frequency integration; Spectral localization cues (King, A.J. (81) 137)

Synapse
Efferent; Outer hair cell; Deiters' cell; Synaptophysin (Nadol, Jr., J.B. (81) 49)

Synaptophysin
Efferent; Synapse; Outer hair cell; Deiters' cell (Nadol, Jr., J.B. (81) 49)

Threshold
Cochlear prosthesis; Electrical stimulation; EABR; Single-auditory neuron; Cat (Smith, D.W. (81) 1)

Tinnitus
Plasticity; Unilateral auditory deafferentation; Posterior fossa surgery; Eye gaze (Cacace, A.T. (81) 22)

Tonotopic
Spongiform lesion; Gerbil; Acoustic isolation; Frequency (McGinn, M.D. (81) 57)

Tonotopic map
Chicken; Basilar papilla; Cochlear ganglion neurons; Biocytin; Intracellular staining (Chen, L. (81) 130)

Tonotopic organization
Acoustic overexposure; Nucleus magnocellularis (Cohen, Y.E. (81) 11)

Tuning curve
Auditory nerve; Cochlear mechanics; Active process (Javel, E. (81) 167)

Unilateral auditory deafferentation
Plasticity; Tinnitus; Posterior fossa surgery; Eye gaze (Cacace, A.T. (81) 22)